

2555-1-001 (Sheet 1 of 7)

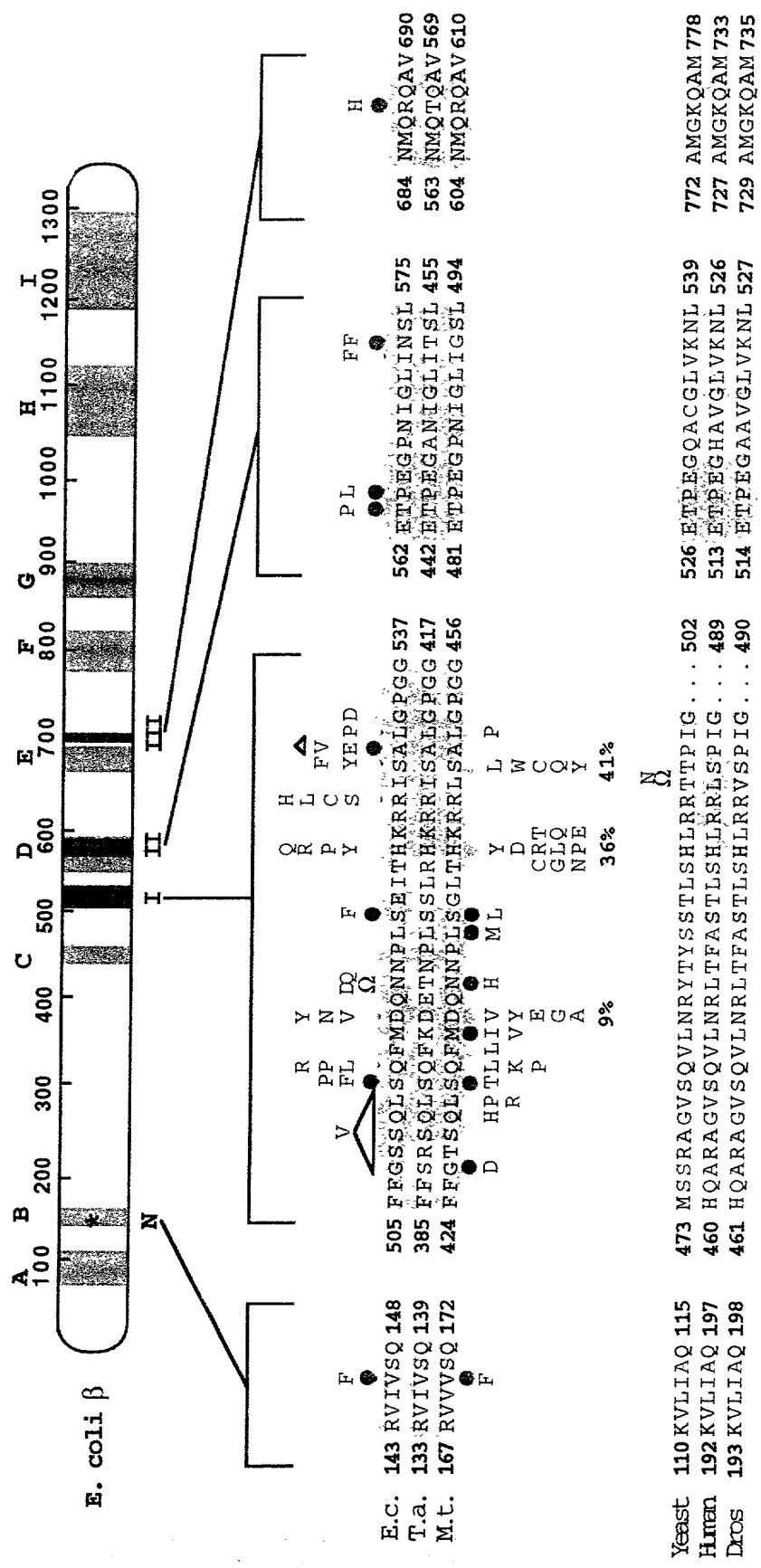
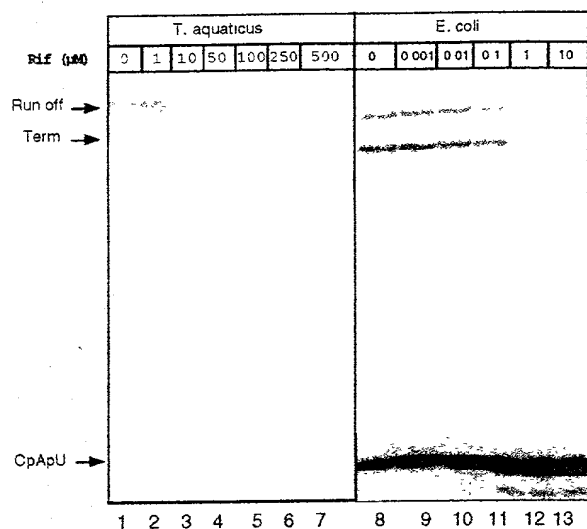
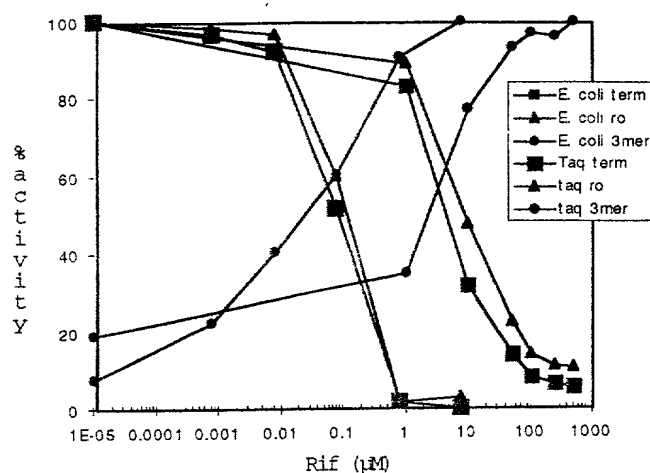


Figure 1

a



b



c

Pol	E. coli holo								Taq holo							
Rif-(CH <sub>2</sub> ) <sub>n</sub> -ATP n=	0	2	3	4	5	6	8	12	0	2	3	4	5	6	8	12

Rif-(CH<sub>2</sub>)<sub>n</sub>-Ap\*UTP

→

d

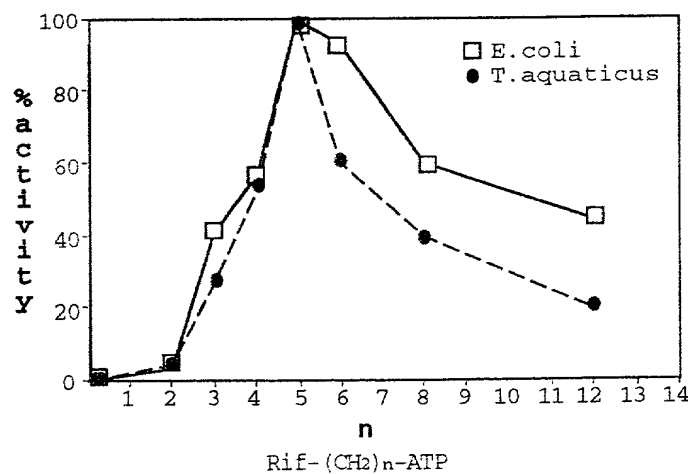
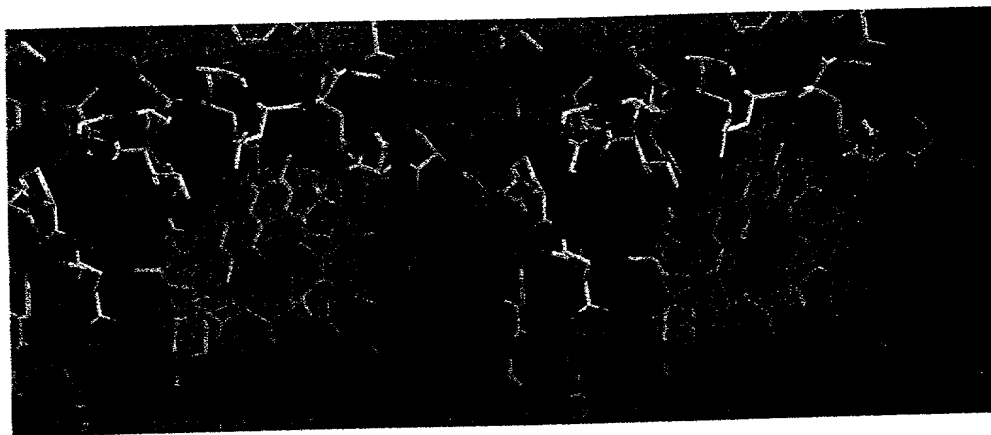
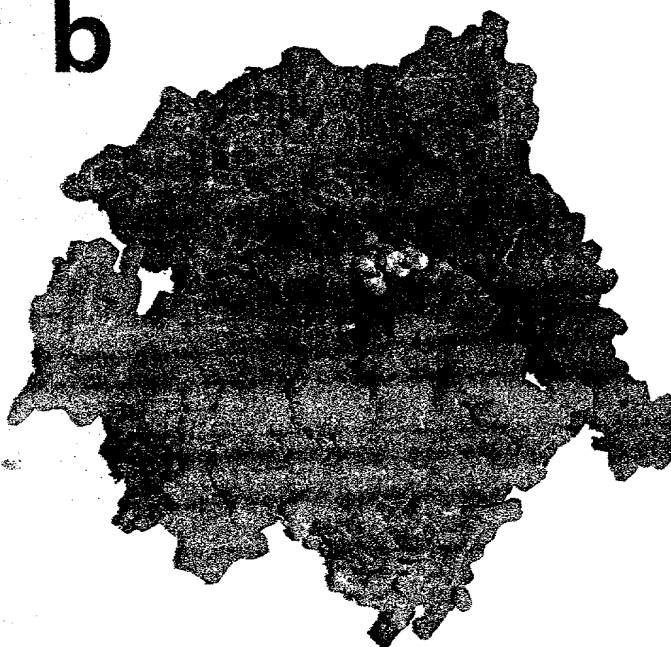


Figure 2

**a**



**b**



**c**

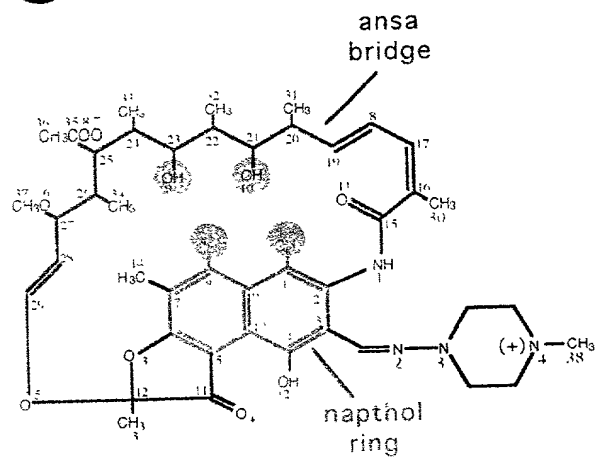


Figure 3

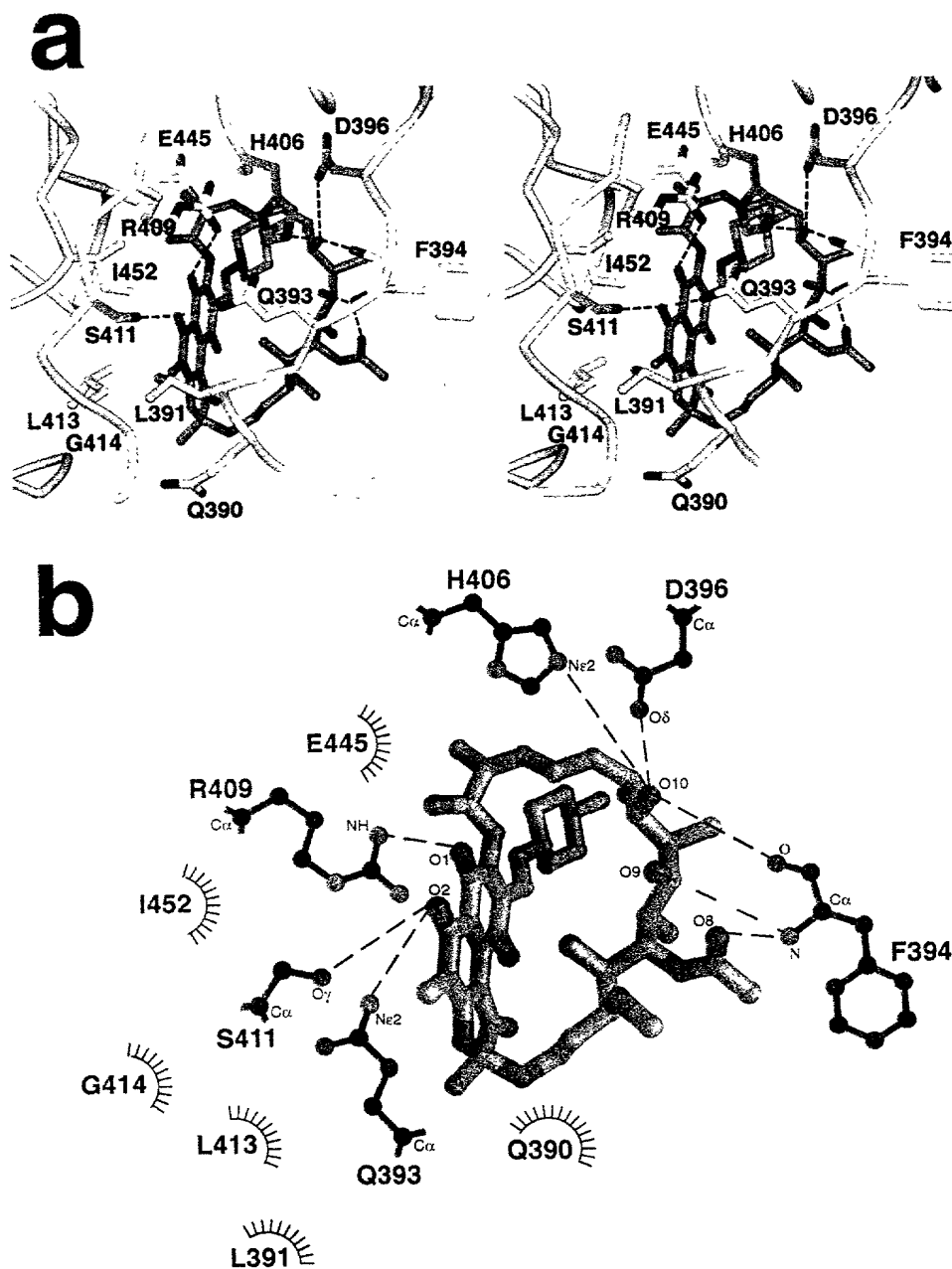


Figure 4

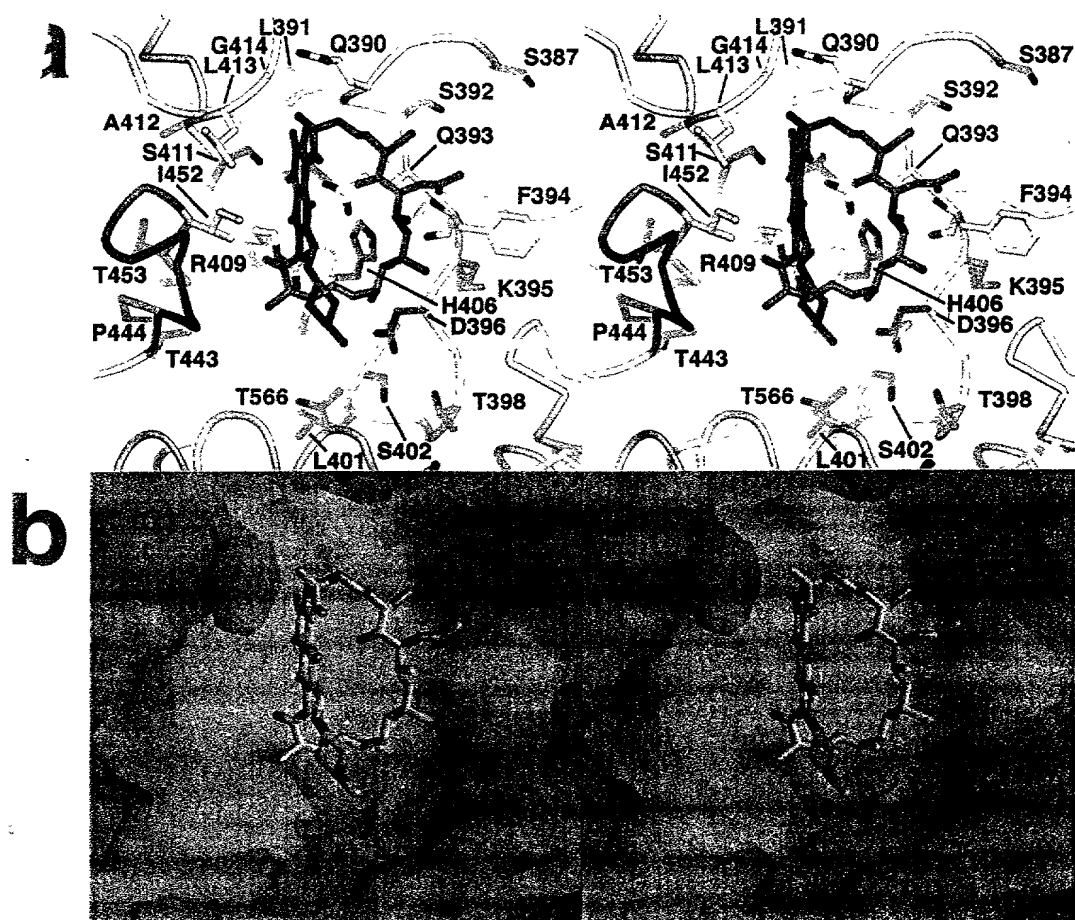


Figure 5



7 6 5 4 3  
**RNA** 5' AAAUCGC 3'  
 A T T T A G C G G C T G T T A A A G T 5' T  
 A C A A T T T C A 3' NT **DNA**






Taq Pol															
+Rif					Scaffold RNA=X nt					Scaffold RNA=X nt					
Scaffold RNA=X nt					+Rif					-Rif					
X=	3	4	5	6	7	3	4	5	6	7	3	4	5	6	7
															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Figure 6

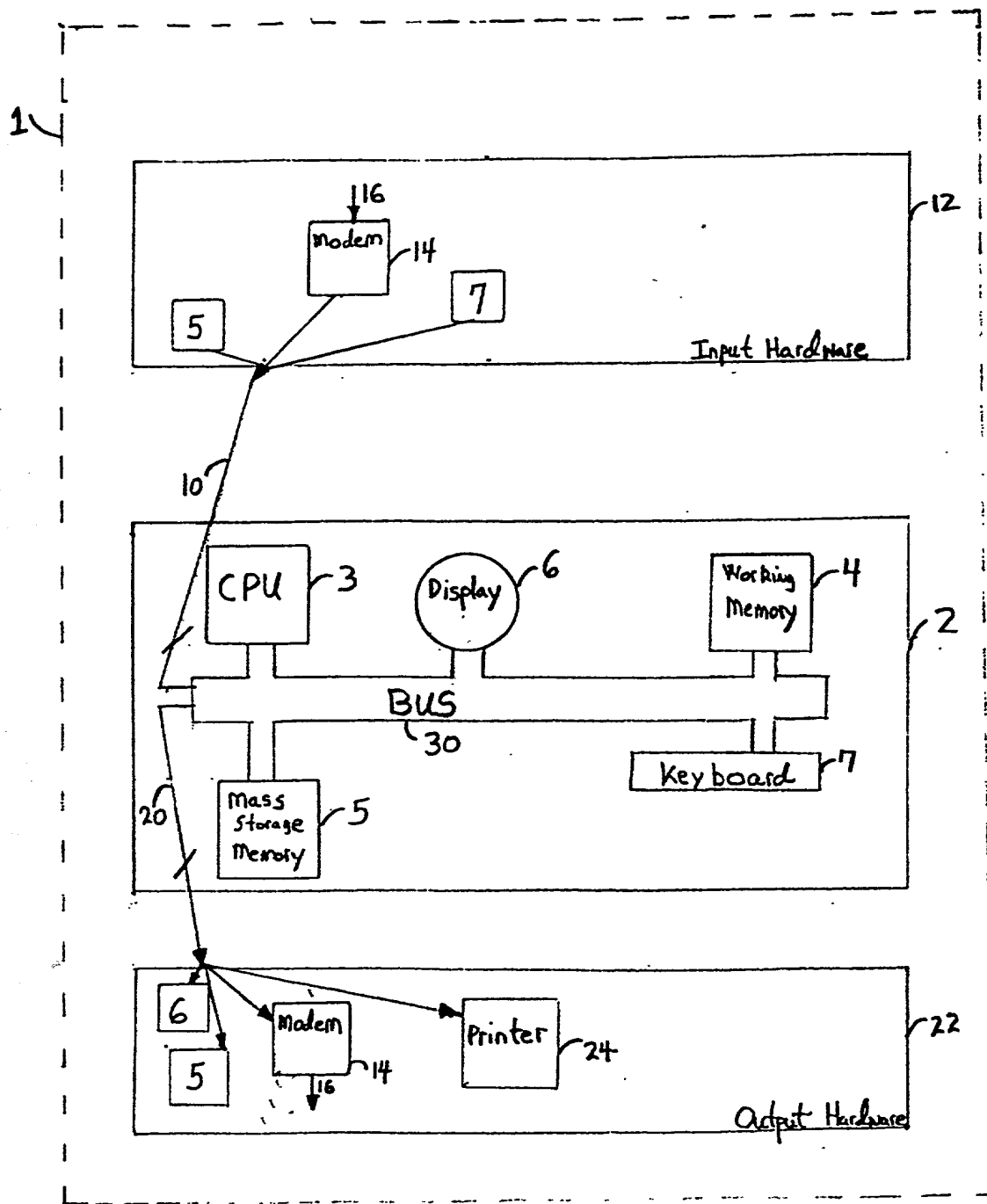


Figure 7